OPINION 1225
PECTINARIA LAMARCK, 1818, *NEREIS CYLINDRARIA BELGICA* PALLAS, 1766 AND *LAGIS KORENI* MALMGREN, 1866 (POLYCHAETA): CONSERVED

RULING.— (1) Under the plenary powers

(A) the following specific names are hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy:
  (a) *cylindraria* Pallas, 1766, as published in the combination *Nereis cylindraria;*
  (b) *tubiformis* Pennant, 1777, as published in the binomen *Sabella tubiformis;*
  (c) *pectinata* J. Sowerby, 1805, as published in the binomen *Nereis pectinata*;
  (d) *pallassii* Leach, 1816, as published in the binomen *Cistena pallassii*;

(B) the generic name *Cistena* Leach, 1816 is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy;

(C) all designations of type specimens for, and all the original type material of, the nominal species-group taxon *Nereis cylindraria belgica* are hereby set aside and the neotype designated by Nielsen, Kierkegaard & Lemche, 1977, is hereby designated type of that species-group taxon;

(D) it is hereby ruled that the family-group name PECTINARIIDAE Quatrefages, 1865 is to be given precedence over the family-group name AMPHICTENIDAE Grube, 1851 whenever the two names are considered synonyms.

(2) The following generic names are hereby placed on the Official List of Generic Names in Zoology with the Name Numbers specified:

(a) *Pectinaria* Lamarck, 1818 (gender: feminine), type species, by subsequent designation by Malmgren, 1866, *Nereis cylindraria belgica* Pallas, 1766 (Name Number 2165);

(b) *Amphictene* Savigny, 1822 (gender: feminine), type species, by subsequent designation by Malmgren, 1866, *Amphitrite auricoma* O.F. Müller, 1776 (Name Number 2166).

(3) The following specific names are hereby placed on the Official List of Specific Names in Zoology with the Name Numbers specified:

(a) *belgica* Pallas, 1766, as published in the combination *Nereis cylindraria belgica*, and as defined by the neotype ratified under the plenary powers in (1) (C) above (specific name of type species of *Pectinaria* Lamarck, 1818) (Name Number 2819);

(b) *auricoma* O.F. Müller, 1776, as published in the binomen *Amphitrite auricoma* (specific name of type species of *Amphictene* Savigny, 1822 (Name Number 2820);

(c) *koreni* Malmgren, 1866, as published in the binomen *Lagis koreni* (Name Number 2821).

(4) The following family-group names are hereby placed on the Official List of Family-Group Names in Zoology with the endorsements and Name Numbers specified:

(a) PECTINARIIDAE Quatrefages, 1865 (type genus *Pectinaria* Lamarck, 1818) with an endorsement that it is to be given precedence over AMPHICTENIDAE (type genus *Amphictene* Savigny, 1822) by anybody who considers that the genera *Pectinaria* Lamarck, 1818 and *Amphictene* Savigny, 1822 belong to the same family-group taxon (Name Number 539);

(b) AMPHICTENIDAE Grube, 1851 (type genus *Amphictene* Savigny, 1822) with an endorsement that it is not to be given priority over PECTINARIIDAE Quatrefages, 1865 by anyone who believes that *Amphictene* Savigny, 1822 and *Pectinaria* Lamarck, 1818 belong to the same family-group taxon (Name Number 540).

(5) The generic name *Cistena* Leach, 1816, as suppressed under the plenary powers in (1)(B) above, is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology with the Name Number 2127.

(6) The following specific names, as suppressed under the plenary powers in (1)(A)(a) to (d) above, are hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology with the Name Numbers specified:

(a) *cylindraria* Pallas, 1766, as published in the combination *Nereis cylindraria* (Name Number 1102);

(b) *tubiformis* Pennant, 1777, as published in the binomen *Sabella tubiformis* (Name Number 1103);

(c) *pectinata* J. Sowerby, 1805, as published in the binomen *Nereis pectinata* (Name Number 1104);

(d) *pallassii* Leach, 1816, as published in the binomen *Cistena pallassii* (Name Number 1105).

HISTORY OF THE CASE Z.N.(S.) 2202

An application for the conservation of the generic name *Pectinaria* Lamarck, 1818 and of the species-group names *Nereis cylindraria belgica* Pallas, 1766 and *Lagis koreni* Malmgren, 1866 was first received from Dr Claus Nielsen (*Marine Biological Laboratory, Helsingør, Denmark*) and Dr J.B. Kierkegaard and the late Professor Henning Lemche (*Zoological Museum, Universitetsparken, Copenhagen*) on 21 October 1976. It was accompanied by a list of the names of 90 zoologists who supported the application. It was sent to the printer on 19 April 1977 and published on 31 August 1977 in *Bull. zool. Nom.* vol. 34, pp. 112–122. Public notice of the possible use of the plenary powers in the case was given in the same part of the *Bulletin* as well as to 10 general periodicals. It was also distributed with Aquatic Science and Fisheries Abstracts.

Professor Holthuis put forward two alternative sets of proposals, both differing from those of the original applicants. His Alternative B was supported by Dr Torleif Holthe (*University of Tromsø, Norway*) and his Alternative A by Dr Marian H. Pettibone (*National Museum of Natural History, Washington D.C.*) (see *Bull. zool. Nom.* vol. 35, pp. 18–24). The names of nine further zoologists who supported the original proposals were also given there. Nielsen & Kierkegaard put forward a revised set of proposals (*ibid.*, pp. 25–29). A comment by Dr Karl Banse (*University of Washington, Seattle*) was published in *Bull. zool. Nom.* vol. 36, pp. 146–147. No other comments were received.

DECISION OF THE COMMISSION

Because of the complexity of the case, the Commission was presented with two voting papers. In Voting Paper (81)23 the members were asked to vote, in Part A, for or against the use of the plenary powers in the case. It was explained that a vote 'against' would be considered as a vote in favour of Holthuis's Alternative A. In Part B of this voting paper the members were asked to vote either for the revised proposals of Neilsen & Kierkegaard set out in *Bull. zool. Nom.* vol. 35, pp. 27–28, or for Holthuis's Alternative B on p. 23. In Voting Paper (81)24, the members were asked to vote for or against the use of the plenary powers in connexion with the family-group names involved. It was explained that a vote 'for' would be taken as a vote in favour of the proposals of Nielsen & Kierkegaard and a vote 'against' as a vote in favour of Holthuis (Alternative A, point 3 and Alternative B, point 4). These voting papers were issued under the Three-Month Rule on 6 October 1981. At the close of the voting period on 6 January 1982 the state of the voting was as follows:

V.P.(81)23 — Part A

Affirmative Votes — ninteen (19) received in the following order: Melville, Sabrosky, Willink, Trjapitzin, Corliss, Vokes, Tortonese, Hahn, Brinck, Lehtinen, Alvarado, Habe, Binder, Heppell, Dupuis, Nye, Welch, Cogger, Mroczkowski

Negative Vote — Bayer

Part B, Alternative 1

Affirmative Votes — seventeen (17) received in the following order: Melville, Willink, Trjapitzin, Corliss, Vokes, Tortonese, Hahn, Brinck, Alvarado, Habe, Binder, Heppell, Dupuis, Nye, Welch, Cogger, Mroczkowski

Part B, Alternative 2

Affirmative Votes — two (2): Sabrosky, Lehtinen

V.P.(81)24

Affirmative Votes — fifteen (15) received in the following order: Melville, Willink, Trjapitzin, Corliss, Vokes, Tortonese, Hahn, Brinck, Alvarado (a conditional vote with the majority), Habe, Binder, Dupuis, Nye, Welch, Mroczkowski

Negative Votes — five (5) received in the following order: Sabrosky, Lehtinen, Heppell, Bayer, Cogger.

Holthuis abstained on both voting papers. On V.P.(81)23 Halvorsen sent in a late affirmative vote for parts A and B1; Ride and Starobogatov sent in late affirmative votes for parts A and B2. On V.P.(81)24, Halvorsen sent in a late affirmative vote and Ride and Starobogatov late negative votes.

Hahn commented: 'The use of PECTINARIIDAE instead of AMPHICTENIDAE, of *Pectinaria* instead of *Cistena,* and of *P. koreni* sensu Malmgren has made its way even into textbooks and handbooks of zoology, for instance into Kaestner's *Lehrbuch der Zoologie* and Grzimek's *Tierleben*. To follow the proposals of Dr Holthuis would indeed disturb current use and therefore I vote for the proposals of Dr Nielsen and Dr Kirkegaard.'

THE NAMES OF THE TYPE GENUS OF AMPHICTENIDAE GRUBE, 1851 AND OF THE TYPE SPECIES OF THAT GENUS

At this point it was realised that, although the family-group name AMPHICTENIDAE Grube, 1851, had been placed on the Official List, the name of the type genus of that family (and of the type species of that genus) had not been considered; yet without them it is impossible to determine the identity of the family concerned. The Secretary therefore examined this point with the help of Dr A.I. Muir (*British Museum (Natural History), London*) and found that no type species had been originally designated for *Amphictene* Savigny, 1822 but that, of the originally included

species, *Amphitrite auricoma* O.F. Müller, 1776, had been subsequently designated as type species by Malmgren, 1866.

There being no issues requiring the use of the plenary powers on this point, the members of the Commission were invited to vote under the One-Month Rule on Voting Paper (O.M.)(82)1 on 18 March 1982 for or against placing *Amphictene* Savigny, 1822 and *Amphitrite auricoma* O.F. Müller, 1776 on the Official Lists. At the close of the voting period on 18 April 1982 the state of the voting was as follows:

Affirmative Votes — sixteen (16) received in the following order: Melville, Nye, Holthuis, Dupuis, Binder, Sabrosky, Hahn, Brinck, Bayer, Welch, Ride, Halvorsen, Tortonese, Willink, Corliss, Cogger

Negative Vote — Heppell.

Late affirmative votes were received from Kraus, Vokes and Habe. No votes were returned by Alvarado, Bernardi, Starobogatov, Mroczkowski, Trjapitzin and Lehtinen.

Heppell commented: 'I cannot see any grounds for taking this action. The applicants did not request it and the names involved are not at risk. The Commission has not taken any action in regard to them and the family-group name has been placed on the Official List only to have the qualification that it is not senior to PECTINARIIDAE. In my view it would only confuse zoologists to place the generic and specific names on the List.'

ORIGINAL REFERENCES

The following are the original references for the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

Amphictene Savigny, 1822, *Descr. de l'Egypte,* Hist. nat. vol. 1 (3), Annélides, p. 88

AMPHICTENIDAE Grube, 1851, *Familien der Anneliden,* Berlin, p.82

auricoma, Amphitrite, O.F. Müller, 1776, *Zool. Dan. Prodromus,* p. 216

belgica, cylindraria, Nereis, Pallas, 1766, *Misc. zoologica,* p. 122

Cistena Leach, 1816, *Encycl. brit.*, Annulosa, Suppl. to eds 4–6, vol. 1, p. 452

cylindraria, Nereis, Pallas, 1766, *Misc. zoologica,* p. 117

koreni, Lagis, Malmgren, 1866, *Öfvers. k. Vetenskaps Akad. Förh.* for 1865, p. 360

Pectinaria Lamarck, 1818, *Hist. nat. Anim. s. Vert.*, vol. 5, p. 348

PECTINARIIDAE Quatrefages, 1865, *Hist. nat. Annélés marins et d'eau douce, Annélides et géphyriens,* vol. 2, p. 327

pallassi, Cistena, Leach, 1816, *Encycl. brit.*, Annulosa, Suppl. to eds 4–6, vol. 1, p.452

pectinata, Nereis, J. Sowerby, 1805, *British Miscellany*, vol. 1, p. 107

tubiformis, Sabella, Pennant, 1777, *British Zoology*, Crust., Moll., Test., vol. 4, p. 148.

CERTIFICATE

I hereby certify that the votes cast on Voting Papers (81)23 and 24 and (O.M.)(82)1 were cast as set out above, that the proposals contained in the two former voting papers have been duly adopted under the plenary powers, and that the decisions so taken, being the decisions of the International Commission on Zoological Nomenclature, are truly recorded in the present Opinion No. 1225.

R.V. MELVILLE
Secretary
International Commission on Zoological Nomenclature
London
27 April 1982